

## **SYSTEM AND METHOD FOR MANAGING AIR FROM A COOKTOP**

### **ABSTRACT**

**[0053]** A kitchen ventilation system includes a sensor for detecting a chemical composition over an active zone of a cooktop. The system also includes an air moving device for displacing air including the chemical composition and an air flow direction control device for directing air displaced by the air moving device between exhaust and recirculation flow paths. A control circuitry is coupled to the sensor, to the air moving device and to the air flow direction control device for regulating operation of the air moving device and a position of the air flow direction control device based upon signals from the sensor.